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Allen Anderson, President & CEO

March 24, 2014

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MAR 27 2014
PUBLIC SERVICE
COMMISSION

Kyle Willard, Director of Engineering
Kentucky Public Service Commission
Post Office 615
Frankfort, Kentucky 40602-0615

RE: Case No. 2006-00494

Dear Mr. Derouen:

Enclosed is South Kentucky's Electric Distribution Utility Annual Reliability Reports submitted pursuant to the above referenced case.

Please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads 'Dennis Holt'.

Dennis Holt
South Kentucky R.E.C.C.
Vice President of Operations

DH:jb

Enclosures

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	1.1	South Kentucky RECC
REPORT PREPARED BY	1.2	Kevin Newton
E-MAIL ADDRESS OF PREPARER	1.3	knewton@skrecc.com
PHONE NUMBER OF PREPARER	1.4	(606)678-4121

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	2013
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SECTION 3: MAJOR EVENT DAYS

T_{MED}	3.1	21.16 minutes per consumer
FIRST DATE USED TO DETERMINE T_{MED}	3.2	1-Jan-09
LAST DATE USED TO DETERMINE T_{MED}	3.3	31-Dec-13
NUMBER OF MED-IN REPORT YEAR	3.4	3

NOTE: Per IEEE 1366 T_{MED} should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

SECTION 4: SYSTEM RELIABILITY RESULTS

Excluding MED

SAIDI	4.1	164.26
SAIFI	4.2	0.998
CAIDI	4.3	164.32

Including MED (Optional)

SAIDI	4.4	196.43
SAIFI	4.5	1.76
CAIDI	4.6	111.23

Notes:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of April of each year
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, CAIDI, and T_{MED}

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SECTION 5: OUTAGE CAUSE CATEGORIES

Excluding MED

CAUSE CODE DESCRIPTION	SAIDI VALUE	CAUSE CODE DESCRIPTION	SAIFI VALUE
Trees	5.1.1 6496.2	Trees	5.2.1 57.10
Broke Pole	5.1.2 1029.8	Planned	5.2.2 9.70
Wind	5.1.3 1005.7	Unknown	5.2.3 9.70
Lightning	5.1.4 998.4	Line Down	5.2.4 9.60
Car Hit Pole	5.1.5 888.2	Broke Pole	5.2.5 9.50
Unknown	5.1.6 827.6	Lightning	5.2.6 9.10
Line Down	5.1.7 802.5	Wind	5.2.7 8.50
Planned	5.1.8 568.0	Source	5.2.8 8.00
Line Fuse	5.1.9 471.7	Line Fuse	5.2.9 7.10
Source	5.1.10 441.8	Car Hit Pole	5.2.10 6.50

SECTION 6: WORST PERFORMING CIRCUITS

CIRCUIT IDENTIFIER	SAIDI VALUE	MAJOR OUTAGE CATEGORY
SBS_3903	6.1.1 1,574.9891	Trees
SBS_2703	6.1.2 910.2836	Trees
SBS_3103	6.1.3 752.3586	Broke Pole
SBS_3403	6.1.4 716.3846	Lightning
SBS_2303	6.1.5 677.5331	Trees
SBS_3104	6.1.6 675.7388	Trees
SBS_3702	6.1.7 630.3892	Line Down
SBS_2902	6.1.8 624.2267	Trees
SBS_1702	6.1.9 593.0810	Trees
SBS_1601	6.1.10 449.0822	Source

CIRCUIT IDENTIFIER	SAIFI VALUE	MAJOR OUTAGE CATEGORY
SBS_2205	6.2.1 6.6364	Lightning
SBS_2303	6.2.2 4.6969	Trees
SBS_1601	6.2.3 4.3290	Trees
SBS_3103	6.2.4 4.0747	Trees
SBS_2703	6.2.5 3.8766	Trees
SBS_3104	6.2.6 3.5164	Trees
SBS_2902	6.2.7 3.4938	Trees
SBS_2804	6.2.8 3.4344	Transformer Fuse
SBS_0605	6.2.9 3.4011	Trees
SBS_0104	6.2.10 3.3445	Trees

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Electric Distribution Utility Annual Reliability Report

Additional pages may be attached as necessary
SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

Evaluation of the 2013 VMP

Introduction:

SKRECC has had a formally written VMP in place since 2007. In prior years it did not have a formally written plan; however, it did have established goals and objectives that were being monitored and administered by the Right-of-Way Manager.

Bushhogging:

In 2013 the cooperative performed 120 miles of bush hogging.

Herbicide Spraying:

For the year of 2013 we accomplished all of the herbicide spraying that was planned for. This was approximately 168 miles of spraying.

Cycle Trimming:

For the standard trimming cycle work the cooperative planned to trim 25 circuits for the year. We completed those circuits or approximately 941 miles of this work.

Vine Treatment program:

We began a vine treatment program in 2013. We treated 1419 miles of line for vines. This program involves spotting vine poles and then treating those poles for vine growth.

Other Trimming and Cutting:

In 2013 we built to approximately 909 new members, and this amounted to approximately 11 miles of new overhead distribution line clearing. We were able to take care of the clearing for all these new lines.

Along with the above mentioned work, we were able to complete 2,009 individual work-orders for trimming and other right-of-way work at various locations across the system. These were primarily places near the member's homes that involved yard trees or other special situations, but included the full range of right-of-way work that is typical for a rural electric system.

Conclusions:

At the end of 2013 we were very close to being on schedule for all of our planned right-of-way work. We feel that our Right-of-Way plan was implemented well, but we will continue to look for ways to improve in both cost containment and effectiveness of methods. We are evaluating the data that is contained in the annual reliability report to the PSC and will consider the worst performing circuits to see if any changes in our right-of-way plans are needed to help improve reliability on those circuits.

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SECTION 8: UTILITY COMMENTS

South Kentucky RECC's worst performing circuits were typically rural circuits with tree lined right of ways. The vast majority of the ranking circuits show TREES as the prominent cause of the outages. This holds true for both the frequency of outages (SAIFI list) and the duration of the outage (SAIDI list).

We would also note that many of the outages that are categorized as TREES are outages that occurred during storms. The category is picked by the dispatcher with the assistance of the crew working the outage. During busy times the category may be picked without getting information from the field, and TREES may be picked when the outage may more accurately be identified as WIND or LIGHTNING. Many of the outages during storms are off right of way trees. We have very few outages caused by trees brushing the line. Trees brushing the line are much more likely to cause flicker or dimming and present safety issues for the public. We feel we are on a good cycle for trimming and the fact that TREES shows up as the cause so frequently is not a reflection on our VMP, but rather a result of the number of miles of line we have that is in tree lined right of ways.

We believe that the nature of a rural system lends itself to longer feeders and thus more exposure. Longer feeders along with increased travel time to outages affect the duration and frequency of outages on these longer feeders that are so common to the rural coops.